

Pinedale Anticline Working Group Minutes

February 7, 2012

BLM Pinedale Field Office

9:00 to 9:05 Call to Order

In attendance, PAWG Members: Joy Bannon, Recreation, Cally McKee, Oil and Gas, Bart Meyers, Sublette County, Mike Kramer, Landowner, Paul Hagenstein, Grazing, Stephanie Kessler, Environmental Org.

Also in Attendance from BLM: Shane DeForest, Merry Gamper, Janet Bellis, and Teresa Bredhauer taking minutes

9:05 to 9:15 (INFORMATIONAL ITEM) Overview Agenda, Confirmation of Quorum, Review and approval of November 8, meeting minutes

Overview agenda

We are Missing 3 members; we do not have a quorum

All items are informational so do not need a quorum.

PAWG members in attendance

1 from Category 1

Joy Bannon arrived late

Meyers, Kramer, Rep

Cally Mckee

John Anderson

Shane Deforest, FM

Joy Bannon

Janet Bellis

Review and Approval

Mike Kramer: Names spelled wrong in last meeting minutes – Corrections to be made by the typist.

A motion was made by Bart Meyers to call the PAWG meeting to order

Seconded by Stephanie Kessler

Motion Passed unanimously.

9:15 to 9:45 (INFORMATIONAL ITEM) Review of next version of water brochure; Janet Bellis, Hydrogeologist, Bureau of Land Management (BLM), Pinedale Field Office (PFO)

Review of next version of the water brochure

Janet Bellis: 2011 SCCD groundwater information is now in and we can now incorporate their results as part of the water brochure. Would like to change the date from 2010 to 2011. Changes will be mostly changes in the number of wells sampled, number of wells with hydrocarbons, etc. We took the Geomatrix discussion out of the brochure because it is too confusing and because it

has not yet been published, we cannot make the results public.

Shane DeForest: We had initially started the PAWG groundwater Task Group (subcommittee) we had offered once we had a draft back from the designers that PAWG would have the option of handing over to the subcommittee for review provide for additional final comment that is an option that is available to you.

Subcommittee would take more time but would be very thorough.

Janet Bellis: Who was on the PAWG Water Task Group the subcommittee? Members of the subcommittee were: (We need to obtain a list of the subcommittee members and place here. Daryl Walker, Linda Baker...)

Shane Deforest: We would like to consolidate the comments from PAWG and send a copy to each PAWG member for comments.

A copy of any emails should go to everyone in the PAWG.

Janet Bellis: What would be your timeframe for getting this published?

Next meeting perhaps, do you want to look at it one more time?

Someone (I think this was John Anderson): How long would it take you to get the publication back from the graphics department in Denver?

Janet Bellis: I think once we have all the graphics completed, not very long. Last time, someone recommended that we put a cross section into the brochure.

Male voice: What would you take out?

Janet Bellis: Maybe make it smaller, not have it go all the way over to the edge of the basin (as shown in the example).

Same male voice: Have a narrative to go with it. An overview of what people are looking at. Would that be possible?

Janet Bellis: I think so.

Judy West (from the public audience made a comment) “regarding the graphics”, she would like to see more information, more detail and more information about the formations on the cross-section. [641]

More complicated, making this more difficult to read I have another graphic of what a typical well would look like, also, add the depth to water; that would help.

Mike Kramer: Talk about the shallower aquifers.

Shane DeForest: Today is February 7th. Let’s make the comment period run through March 1st, after which time, we will consider it concluded and we will have a final draft.

Stephanie Kessler: Is someone going to send out an email to all PAWG members so that we can just reply? Please ‘Reply to all’ with comments.

Judy West (Public): Have there been any studies on the Fort Union Shale? (Expressing concern) about water table issues and, is the gas getting into water? What is happening to the groundwater with the fracking going on? What is the ceiling Shale like (Fort Union, I think)?

Shane DeForest: We developed this brochure with a particular purpose in mind; we need to remain focused on the original purpose to interpret water quality information sampled and why it is important.

Mike Kramer: Have we posted this version of the brochure on the website, yet?

Shane: DeForest: (1030) To the extent that we make the graphics available to the public and direct the public to their proper PAWG representative to provide that comment and feedback back to us, would that be acceptable to you all?

Stephanie Kessler: (1049) I just have one larger question about this and, Shane it was your statement that made me think back to what the original purpose of this brochure was, which was ‘what are the results? Nowhere is there a summary statement in here. (1114) Is the groundwater better or worse? Do we want to avoid making a statement to avoid that?

Janet Bellis: We do have a results section, look at the where it says Monitoring Results; it talks about surface water and that to date, no hydrocarbons have been detected. (1136) there is a summary of what was found. The groundwater is the same way. We will update it for 2011 instead of the 2010.

Stephanie Kessler: One larger question about this, the original purpose of this ground water brochure was to provide conclusions; you have to read in the conclusion into those numbers. I don’t know, maybe we don’t want to go there.

Shane DeForest: The Scope of our initial focus for the brochure was to try to identify what is being monitored, where it is being monitored and why it is important to monitor it. (1227)

Stephanie Kessler: No surface water impact has been detected over x sum of years and then indicate how the groundwater situation is improving and there are trends towards that. (1329) I do not know whether it would be appropriate to have at least one sentence that summarizes trends for the public. It might be valuable to at least reference in the brochure that there is a larger study being conducted that will present more results.

John Anderson: (1427) Put a summary right at the beginning in an executive summary. Most people just want to know the bottom line. (1112)

Shane DeForest: I have a bit of a concern, Stephanie, with making a statement that implies that things were worse before and they have gotten better over time. (1530) I do not know if we can draw that conclusion at this time. Some of the initial testing was done with different methodologies and the monitoring wells that have been used for other purposes showed that detections in some wells were not the result of development, but rather, may have been a by-product of the well being used for other purposes. They may not have been depleted or drilled using sterilized techniques. I think that saying or implying or inferring that groundwater is getting better also implies that the water was worse before we started. I don’t know if we can make that conclusion.

Stephanie Kessler: (1630) I don’t think the last statement about the trend has to necessarily identify the cause of detections in those wells. The brochure still hasn’t summarized the trend. I do think that it would be valuable to the public that if this is about surface and groundwater monitoring, would be to tell the public that there is another body of work coming out. This isn’t all these agencies are engaged in. We still haven’t summarized the trends, it’s not a big deal. People can draw their own conclusions for summary statement. I do think I would go back to my other point that this is about surface and groundwater. There is another body of work.

Mike Kramer: I think there is a need to let people know what we think it should be to be because was then clears up – not a trend the way I see it I come to the conclusion (I am not sure what Mike is trying to say here)

In 2004 there were detections, then they cleared up, a truck dumped something same will test.

No issues. There is not going to be a trend the way I see it. When we repeated the testing it disappeared, the conclusion being that we have not contaminated an aquifer but I'm not an expert. (1804)

Joy Bannon: A summary would be useful to the general public, put the summary at beginning (of the brochure). (1856)

Shane DeForest: There is not enough certainty to imply that things were worse and that now things have gotten better.

Janet Bellis: Anything else on the brochure?

Bart Meyers: Hold public comment until the end of the morning session rather than take public comment after each agenda item. Is everyone ok with that?

Shane DeForest: To close out this item, the open period for comment will be through March 1st, we will make the draft brochure available to public and advise them to contact their PAWG representative with any comments they have. As we receive comments from individual PAWG members we will distribute them back to the other PAWG members so they will have that dialog and we will include it in that list of people: PAWG members plus the original subcommittee members. We will put it out for public comment – advise the public to use the web address or reach out to their PAWG representative.

Bart Meyers: This wraps up that agenda item:

9:45 to 10:00 (INFORMATIONAL ITEM) Update on results of 2011 surface water sampling, Kathy Raper, Surface Water Supervisor, Sublette County Conservation District (SCCD)

Power Point Presentation by Kathy Raper (2239)

[..\Summary of Pinedale Anticline Chemical and Field Data 2000-2012 Raper.pdf](#)

[..\2 Kathy Raper's Presentation\SCCD Pinedale Anticline Chemical Data 2000-2011.pdf](#)

[..\2 Kathy Raper's Presentation\SCCD Pinedale Anticline Field Data 2000-2011.pdf](#)

Surface water report:

Summary of Pinedale anticline chemical summary – two tables

Show all the parameters that surface water program samples, on the left pH standard on the right hand side standard from WDEQ (Wyoming Department of Environmental Quality)

A pH of 6.5 to 9.0, is based on fishery standards

Second page parameters of samples temperature that is the actual standard from the WDEQ web site

Third page features some things that I have added information this year to the presentation. This information was always monitored. We will update as we go.

Turbidity is based on cold water fisheries.

Oil and Grease are for surface water, -content not to exceed 10 mg per liter.

Also a formation of visible sheen or visible deposits on the bottom or shore line may impact (?)

organic normal growth function or reproduction human animal plants or aquatic life- actual standard. To date, no hydrocarbons have been found in surface water.

Finer analysis in water quality

12 years of testing has not found anything in surface water

Question I can't answer, never found anything. Question could be directed to WDEQ.

Different measurements

PH from 6.5 to 9.0 is the standard based on cold water fisheries

Map of all the sites shown on screen? Otherwise delete.

Questions:

Please explain Turbidity.

Turbidity is how clear the water is. Based on plants it's more of an aesthetic thing. Not a visual measurement. Have to use Turbidity meter which shoots a ray of light through the water. The more mud it carries the higher the turbidity.

Comments:

Kathy Raper: A lot of factors, the temperature, the time of day etc. can affect the pH.

Kathy Raper: EPA certified?

All of that is for surface water. It is in the 2000 report.

Male voice: For surface water only?

Kathy Raper: Yes just surface water.

John Anderson: Are you also taking temperature at the time of the sample is being taken?

Kathy Raper: Yes that is also in the field notes

Stephaine Kessler: What is the difference between the two?

Kathy Raper: One is chemistry and one is field data. It will say chemical or lab Data. The chemistry is for the samples I collect and send to EPA Certified laboratory. Field data are actually my notes.

Field parameters of pH connectivity, temperature, dissolved oxygen, any weird things I might find out in the field .pictures, who took the data and who requested the data.

What is this last parameter down here? Trial plural ...

Kathy It's just ameasured in the lab, not an actual detection. Part of the data that we collect so I wanted to include it.

Tony Gossar (public): The soil conservation stated that these types of reports would not be handed out. Prior to the meeting or approved by the BLM. To analyze right here this morning could this be obtained prior to the meeting? Could this be obtained prior to the BLM's approval?

Shane DeForest: (3754) We made a commitment at the meeting what we would make available, some information is prepared ahead of time and is available it's just a product of timing

Janet Bellis: We provided all the documents on the website prior to the meeting.

Male voice. Tell Tony to get on the internet.

Lady's voice: Tony, you are always free to call us and we can leave it at the front desk if you would like.

Tony (Public): Which of these documents were prepared and released prior to this meeting?

Everybody (in unison): All of them!

They came out between Wednesday and Friday of last week.

We are not approving these documents, they are just informational.

Stephanie Kessler: A week or two before the PAWG meeting you should check with the BLM office.

Bart Meyers: (4228) Tony, stop in a week before the PAWG meeting and see me, I will be more than happy to sit down with you and look at the web site. I will even print it out for you at my office.

Are there any other questions? Thank you Kathy.

10:00 to 10:20 (INFORMATIONAL ITEM) Annual PAPA Groundwater Report, Delsa Allen, Groundwater Program Manager, SCCD

Delsa Allen: (4255) Will be a repeat for the members of the PAWG please look at copy of the power point presentation and data summary.

[February 7, 2012\3 Delsa Allen's Presentation\SCCD_GroundWaterSummary_2011.pdf](#)

Questions:

Stephanie Kessler: (4737) What is the difference between the WDEQ cleanup level and public health?

Delsa Allen: EPA has the same standards for some of these parameters but not all of them

Stephanie Kessler: with WDEQ clean up? Where they don't match up

Delsa Allen: It isn't that they don't match up it's just that they just don't have standards where DEQ does I took out a part that I wish I would have left in your Benzene both EPA and DEQ both recognized at 5mg/l?. WDEQ has standards for GRO and DRO. EPA doesn't recognize these tests at all.

Stephanie Kessler: It creates a level of confusion. Not all clean up levels naturally occur to those levels of public health protection.

Delsa Allen: (4924) Miscellaneous use wells were not intended for domestic consumption. That's another thing to keep in mind. Can EPA come in and regulate that well? It depends on the aquifer. It gets even more complicated.

Male Voice: To clarify: the only clean up levels that are not EPA standards are the GRO and DRO. Otherwise all these other levels that I've looked at EPA standard, for benzene toluene, xylene

Delsa Allen: Yes

Female voice: (5513) If they had detections what is the next step, is the water still usable?

Delsa Allen: Well either miscellaneous use wells which industrial use wells are permitted as miscellaneous wells.

Female Voice: Miscellaneous use wells are not for drinking correct? (5601)

Delsa Allen: (5646) Industrial use wells that are 800 to 1000 feet deep.

Delsa Allen: From 2006 to 2011 there have been 45 wells have had detections with levels at or above those levels.

Delsa Allen: Different methods will give different results. Any questions on hydrocarbon related detections in the wells?

Mike Kramer: (5917) I've got at least 5 wells here that really show (5924) Diesel Range Organics (DRO) detections. DRO detects heavy chain hydrocarbons. For those of you that don't know, the Gasoline Range Organics (GRO) test is used for the smaller carbon chain C6 C10 C12 and the DRO test is used to detect are heavier carbon chains which are like diesel (5936) that's the carbon chain of C8 to 12 to 24 to 26 molecules in a heavier compound. There are five wells that had huge detections of DRO but nothing showed up when the test for BTEX was run, BTEX is a lighter chain, so when you run a lighter chain most of it anyway no chemicals found, (10003) we don't know GRO the heavy chain carbon. Maybe Merry has a comment on what that DRO chemical is?

Merry Gamper: (10024) I don't

Mike Kramer See? Nobody knows. So the question is still; if you look at fracking disclosures, actually Ultra is the only one that doesn't have any proprietaries (congratulations to Ultra). Shell, uses Baker (Hughes?) and they've got two proprietary chemicals. My question is:...heavy carbon chain we won't know (which chemical) unless we know the chemical we are testing for. We are looking at all these parameters, and all this data, and it doesn't necessarily correlate if we don't know what those proprietary chemicals are. Only if we test for it can we say finally that is this is from fracking or is it naturally occurring?

WHO? I have a question about, what is a DRO chemical.

Linda Baker (Public): Are ranchers still able to use their stock wells that are showing detections?

Delsa Allen: We just replaced the pump in that well, once pumped, there was no detection.

That's all I have for you today.

Stephanie Kessler: There is a lot of knowledge out there and have you ever been asked by the WDEQ or the BLM to revise your recommendations? What have we learned from this? It is the complexity that I have had to deal with?

We will have the opportunity in the future with Geomatrix study

Is Wyoming learning from all of this on the Anticline?

What does happen? Conservation, are other states running into similar situations?

Male voice: Similar question; I always wonder what a person thinks are going along,

I think (?)

Delsa Allen: What I have presented is probably as far as I want to go.

We still don't know enough.

Geomatrix is working through a lot of that.

Any great changes from this year to last year, not enough wells, sampling, lots of things, as far as general chemistry, even wells with detections, what we watch for are drastic changes.

Tony (Public): Do you have any information in regards to Geomatrix study?

Delsa Allen: If you stick around there will be a presentation on Geomatrix' work this afternoon

Judy West (Public): Has WDEQ offered any explanations for detections?

Delsa Allen: I don't know if it's WDEQ's place to offer explanations, change pump or pipe, we have to be careful, I am not a hydrologist. I collect samples; it is not my place to theorize about what is going on out there.

Shane DeForest: I would suggest, Linda, that the question is, what have we learned from what we have done here? What is the common ground here? We can't assume existing wells are a control. What is urgent or compelling? We need to think about these ahead of time. For the SCCD study, they took samples of what was out there. Some had detections, some possibility appreciating where we have learned from it we said, wow, we need a little more scientific control, we have Geomatrix, we have 37 wells out there 1000 wells out there. (ask Shane what he means here).

Yes we have learned an awful lot and we are applying that for the NPL.

We will have developed a base line to avoid potential source of controversial things that we found we did put them together; I think we have moved forward, we are being proactive. Still don't know everything but, we have learned and we are using that information

Tony (Public): Over-site of the field operator. They are still responsible for the biggest problem in this whole analysis, they conducted and plugged these wells, there are horror stories about these wells. Just words, you have to have over-site, who understands this? I certainly don't want another Pavilion!

Mike Kramer: I do have a question; we had a huge, Riverside well with detections 132 1512 back in 2008. 1600 What was the conclusion?

Mike Kramer: As of this point and time there is no evidence of contamination of the Riverside well, article about how the aquifer was contaminated. Over 10 years?

Mike Kramer: Riverside (1512)

Janet Bellis: I just wanted to note that the entire report is on the website

Bart: 10 minute break

Comments:

Tony: (Public) Buck stops with/ the operator

10:20 to 10:30 BREAK

10:30 to 11:15 (INFORMATIONAL ITEM) Update on results of 2010 biological report, Brett Marshall, Aquatic Ecologist, River Continuum Concepts

(Folder 2)

[February 7, 2012\4 Brett's Presentation\Brett - PAPAMacro2010sum.pdf](#)

Questions:

Comments:

Janet Bellis: How does this affect fish and other life?

Brett Marshall: Expensive to look at that.

Is there a lot of food for fish?

Sample frequently through the year

Comments: Kathy Raper Ditymo in creeks around here. It only takes one little guy to spread to other streams. Wash waders and equipment well before going into another stream.

9 Anticline sites samples per river 80 total samples Kathy collects.

Brett – on PAWG: Exhausted recommendation meetings entirely efficient. Subcommittee- never met.

11:45 to 1:00 Lunch (on your own)

Running way behind schedule

Bart Meyers has a suggestion: maybe the subcommittee could be a couple of PAWG members who report back to the PAWG timely and efficiently, Mike Kramer works with the water committee. Just to through that out there,

Be back from lunch at 1 pm.

11:15 to 11:45 (INFORMATIONAL ITEM) DFO REPORT - Report of progress of actionable items from

November Meeting, Shane DeForest, Field Manager, BLM-PFO

[February 7, 2012\6 Shane's Read\DFOREport.pdf](#)

PFO Report insert

Public comment after

Initiated a project scoping that closed on Feb 6th for a proposal electrical distribution and transmission lines into the Pinedale anticline, we held a scoping meeting here last week. Had more people in that 4 hour meeting than in both of the NPL scoping meetings in Pinedale and Marbleton. We had a good response from the public.

Rocky Mountain Power is shooting for a target to initiate construction by December of this year. That's the goal we are working for.

Update on PAWG Accepting nominations for two vacancies. Nominations have closed.

We have forwarded our recommendations to the governor's office will go back to Washington to the secretary to consider.

There is also another position coming open in the Group 1 category, which is permittees, transportation and ROW Energy development or adjacent land owners. That would be Cally's spot. PAWG is open for nominations to be submitted through 16th of February. There are no nominations for that spot at this time.

(200 Folder 3) The NPL and La Barge projects have both been in scoping. We have been in alternatives development for the last several months. The December notification is in concurrence from the EPA regarding the governor's nomination for Upper Green River Basin ... non-attainment area designation. This has set in motion a whole chain of events that we are

working on with WDEQ to understand roles and responsibilities and what it is that we need to do to develop those alternatives because of that non-attainment area. Both projects are on hold until we can get some clarification and develop a better understanding of what that process entails and what our responsibilities are going to be.

Joy Bannon: What is the time frame?

Shane DeForest: The letter in December from EPA to the governor's office indicates that the designation will come sometime in March.

(317) Wildlife Habitat prospects

The Anticline mule-deer habitat enhancement fertilization project stirred a considerable debate in the community in regards to validation monitoring. As a result, they are making sure that we are making the most of the money we were spending out there on the ground.

We were able to implement the first phase of the project, at which was the 1,000 acres completed in November.

(354) In January of this year, we sent a notice out to the public inviting members of academic communities to make recommendations or suggestions to us about what sort of a monitoring programs we might create to help to clear up the questions of the effectiveness of that treatment. Based upon those results, we will be evaluating them and then we will make a decision as to how we want to implement those suggestions.

Results of the Mesa mule deer habitat improvement project report to you during the October JIO-PAPO staff meeting. Dan Stroud made a report the results of that assessment and was in the process of making some recommendations however, in October he did provide some initial thoughts as to where we might focus our efforts. The PAPO staff has been continuing to work on that. To this point they have identified between 8 and 9000 acres of potential wildlife habitat improvements and in the process of prioritizing those treatments and refining the boundaries so that we maybe begin the Scoping project.

We are still on track for what I explained back in 2010 when the Matrix was triggered and we shooting for initiation of work in sometime in 2013.

In response to questions and comments from public I wanted to report back from the PAWG we are going to be doing some additional ongoing Habitat Assessments for the first 8 or 9000 acres we are working forward with now, there will be continued assessments in other areas to include private lands within the conservation easement areas and on Forest Service Lands as well as habitat on the plains.

We have initiated the process of requesting funds for the 2013 year. We submitted proposals inside of our bureau process –included s the appropriated dollars in congress we are looking a the National Fish and Wildlife Foundation as well as PAPO mitigation fund as a source of funds to implement those projects.

Stephanie Local Daniel Rancher sits on the board of National Fish and Wildlife Foundation Might be valuable to be in contact with him, JJ Healy –Double J Ranch, (Stephanie will get contact info for Shane)

Shane DeForest: that's really great thank you!

Quick summary project proposals for the 2012 Funding Cycle

Quick Guide to the projects that have been submitted for funding that will be considered by the

PAPO Board there is a total of 15 of them. Will be evaluating those at the May meeting here in Pinedale . PAPO Board will make a decision based on those.

The 23rd of this month is the Annual Planning Meeting for development Annual Pinedale Anticline project meeting that's where we review and consider the operators development proposals for the coming year.

May 2nd and 3rd PAPO board Meeting here in Pinedale in the Rendezvous conference room.

May 14-17 Wyoming Landscape Conservation Initiative will be holding a Science Work Shop in Rock Springs

One last item

Let you know that we are working on a review of the monitoring for Reclamation for Success hand book. Implementing now for that last couple of years the staff identified a couple of areas where clarifications might be in order. We will be coming out to the public and the PAWG to request any of your input and ideas.

Judy West: Public would like clarifications on agenda on the website says the 24th of May instead of the 22-23.

Shane DeForest: It is the 22-23rd. Had a comment back from someone that they said they were looking at the wrong year.

Joy Bannon: New PAWG Member never showed up. 2 now recommendations sent forward

Shane DeForest: The last 2 that resigned.

(Are there) any other questions? Thank you.

John: The next item - Subcommittee

Lady's voice: Informational item (1143)

Janet Bellis: Two handouts for Merry's talk

1:00 to 2:00 (INFORMATIONAL ITEM) Report and update on the PAPA Geomatrix groundwater characterization and modeling project, Merry Gamper, project lead, BLM, Wyoming State Office (time needed not yet defined)

(1137) Merry Gamper Power Point Presentation

[February 7, 2012\5 Merry Gamper's Presentation\Merry - Summary of 2011 Interim Plan Activities_2 Feb 2012.pdf](#)

[February 7, 2012\5 Merry Gamper's Presentation\Merry-PAWG_GW mg Final.pptx](#)

Questions:

Comments:

Public: What is a piezometer?

Measures pressure head to the river cores. How water is moving in alluvium.

Audience Linda: Data Gaps

Pits and injection

Merry Gamper: VRP wells are not part of the study

We are aware that there are delays

(fault runs west side of Anticline injections)

Merry Gamper: Looking at usable aquifer – noted presence and injection activities

Potential Source

Brought in State Engineer and Wyoming oil and gas conservation commission.

Operations drill well

Not for Domestic consumption

More wells are constructed into the Wasatch.

The useable Wasatch is about 1500 feet deep

Tony (Public) (212) Water process – attracted to

State Engineers would have

Cleaned up water

Recycling that water

Have permits BLM

2:00 to 2:15 (INFORMATIONAL ITEM) Report from the sub-committee initiated in November to advice on enhanced reclamation.

2:15 to 2:30 BREAK

2:15 to 2:45 PUBLIC COMMENT (open to comments regarding the days meeting topics or matters covered in the charter of the PAWG which is mitigation and monitoring of the public resources on the Pinedale Anticline)

Judy West (Public): Report, Draft, not too much in the way of results. What are you providing to the public making them feeling good or bad?

You have all the information; we need to know what's important and why it's important. We don't want volumes of information. We want to keep the scope of the brochure simple.

Shane DeForest: October 2010 PAWG – how we might consolidate info can provide the public in a small brochure, to help them determine what, why and its importance to us.

Merry Gamper: Wasatch has a different water quality redesigned water quality sampling program

Redesigned monitoring, - Decision

Shane DeForest: Next steps/ collecting data – keeping brief overview not going to provide real detailed info. Keep it simple.

Tony (Public): Concerned about quantity and quality of water.

EPA? doesn't stand for BLM DEQ

Other comments and questions?

Merry brought a map showing gradients.

Any other comments?

Judy West (Public): Nothing more recent than 1984?

used as an example

Judy West (Public): Needs more information.

Five minute break

Going away cake for Cally. She is moving to Denver.

2:45 to 3:00 DISCUSSION OF NEXT MEETING

Agreed upon 2012 meeting schedule and focus topics:

May 22-23 AIR (modeling, past winter air)

Aug 7-8 WILDLIFE (field tour, habitat improvements/mitigation treatments) RECLAMATION (progress/reported accomplishments)

Nov (1 day) DATE and FOCUS NOT SELECTED (Nov 6 is Election Day)

PAWG Members

Paul Hagenstein

discuss rec projects

Members PAWG pick people from BLM to review

Open for public comment

Joy Bannon: Game and fish Dept

Unable to be a participant

Stephanie Kessler: Bart is on it,

Vote Bart in

No report today

Nominate John Anderson- He accepted

Mike Kramer: made motion

Game and Fish (1)

Stephanie Kessler: seconded it

BLM (1) person

committee 2 out of three cat 3's

All agree, John and Bart – ask Bart who lives here

Back up

Mike Kramer: working on that

Asking a few people to do this

Shane DeForest: Designates, reclamation needs some expertise.

Amy as operator, per Cally M. Good Resource

Mike Kramer requested a Wildlife Biologist from the BLM

Good on comments?

John Anderson: Next meeting is the 22nd and 23rd of May.

Are we allowed to change start time?

Stephanie Kessler: Would like to start at 8 am the second day

Next Meeting will be the 22nd of May starting at 9 am and 23^d of May starting at 8 am.

DEQ Presentation forming citizen's advisory meeting

Feb 21st evening 5 to 8 at Library. Final approval for members of committee.

Tuesdays are a conflict for Bart - Every other Tuesday.

A lot of info.

Field town – See what operators are doing

Escape gasses so we can see it better – John's suggestion

Cally- go on early morning inspections

Ozone task force have something.

Ozone season report.

3 days on for these canisters

Third year of study.

Has PAWG ever gotten one of his reports into SCIS?

Upper GR

Results Dr. Fields – March

Air quality task group

ROD-gets reported on

John Anderson: get RT for ozone action days

from winter ozone recap from operators action days. Even summary this is what we did. Talk about what we've done.

Reduce emissions long term - Ozone contingency plans.

SCIS ROD required it

Any other ideas?

Look at monitoring station

DEQ or who ozone alert for next day

Sun forecast anyone looking past 24 hours

if sensitive- get out 24 hours in advance.

Weekly papers- posting everyday on Facebook and DEQ's website.

Pattern for a couple of days

Sign up for email alerts from DEQ

no prediction of ozone alert yet

Tony (Public): KPIN has an announcement.

Anything else about meetings?

John Anderson: The field tour in August should be open to the public. They can follow the bus if there is not enough room on the bus.

John Anderson: Motion to adjourn

Cally McKee: Seconded

3:00 ADJOURN